WHAT IS CLAIMED IS:

1	1. A method performed at a wireless device, the method comprising:	
2	detecting a signal representing an environmental state in the vicinity of the wireless	
3	device;	
4	comparing the environmental state represented by the signal against a set of remotely	
5	programmable rules at the wireless device; and	
6	if the environmental state satisfies at least one of the rules, generating, based on the	
7	satisfied rule, a communication for transmission to a wireless network.	
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1	2. The method of claim 1, further comprising:	
2	detecting the environmental state; and	
3	generating the signal representing the environmental state.	
1	3. The method of claim 1, wherein the signal represents sound level.	
1	4. The method of claim 1, further comprising identifying the environmental state	
2	represented by the signal.	
1	5. The method of claim 4, wherein identifying the environmental state	
2	represented by the signal comprises:	
3	determining an environmental condition associated with the state; and	
.4	determining a level of the environmental condition.	

1	6.	The method of claim 1, wherein at least one of the rules comprises multiple
2	conditions the	at must be satisfied.
1	7.	The method of claim 1, wherein the communication comprises a Short
2	Message Serv	vice message.
1	8.	The method of claim 1, wherein the communication is destined for a second
2	wireless devi	ce.
1	9.	The method of claim 1, wherein at least one of the rules specifies a level that
2	an environme	ental state must exceed for the rule to be satisfied.
1	10.	The method of claim 1, further comprising:
2	detect	ing a request to modify the programmable rules;
3	detern	nining whether parameters for a rule have been received; and
4	if the	parameters have been received, modifying the rules.
1	11.	The method of claim 10, wherein the request is from a second wireless device.
1	12.	The method of claim 10, wherein modifying the rules comprises adding a new
2	rule based on	the received parameters.
1	13.	The method of claim 1, further comprising:
2	detect	ing a request to open a voice channel in response to the communication; and

- 3 establishing the voice channel using the wireless device.
- 1 14. The method of claim 1, wherein at least one of the rules specifies multiple communications for an environmental state.
- 1 15. The method of claim 1, wherein the wireless device comprises a cellular telephone.

1	16. A wireless device comprising:
2	a sensor operable to detect an environmental state in the vicinity of the wireless
3	device and to generate a signal representing the environmental state;
4	a processor coupled to the sensor, the processor operable to:
5	detect the signal representing the environmental state,
6	compare the environmental state represented by the signal against a set of
7	remotely programmable rules, and
8	if the environmental condition satisfies at least one of the rules, generate,
9	based on the satisfied rule, a communication for transmission to a wireless network; and
10	a transceiver coupled to the processor, the transceiver operable to wirelessly send the
11	communication.
1	17. The wireless device of claim 16, further comprising:
2	an audio input device coupled to the processor, the audio input device operable to
3	detect a user's voice and to generate a signal representative thereof;
4	an audio output device coupled to the processor, the audio output device operable to
5	receive a signal representative of sound and to generate sound representative thereof;
6	a visual output device coupled to the processor, the visual output device operable to
7	receive a signal representative of visual information and to generate visual information
8	representative thereof; and
9	a user-manipulable input device coupled to the processor, the user-manipulable input
10	device operable to detect user manipulation thereof and to generate a signal representative
11	thereof

1	18.	The wireless device of claim 16, wherein the processor is further operable to
2	identify the en	nvironmental state represented by the signal.
1	19.	The wireless device of claim 18, wherein the processor is operable to
2	determine an	environmental condition associated with the environmental state and to
3	determine a le	evel of the environmental condition to identify the environmental state
4	represented b	y the signal.
1	20.	The wireless device of claim 16, wherein the processor is further operable to:
2	detect	a request to modify the programmable rules;
3	deterr	nine whether parameters for a rule have been received; and
4	if the	parameters have been received, modify the rules.
1	21.	The wireless device of claim 16, wherein at least one of the rules specifies a
2	level that an	environmental state must exceed for the rule to be satisfied.
1	22.	The wireless device of claim 16, wherein the processor is further operable to:
2	detec	a request to open a voice channel in response to the communication; and
3	establ	ish the voice channel using the wireless device.
1	23.	The wireless device of claim 16, wherein at least one of the rules comprises
2	multiple cond	ditions that must be satisfied.

1 24. The wireless device of claim 16, wherein the communication is destined for a second wireless device.

1 25. The wireless device of claim 16, wherein the wireless device comprises a cellular telephone.

1	26.	An article comprising a machine-readable medium storing instructions operable to
2	cause one or r	nore machines to perform operations comprising:
3	detern	nining whether a signal representing an environmental state in the vicinity of a
4	wireless device	ce has been detected at the wireless device;
5	compa	aring the environmental state represented by the signal against a set of remotely
6	programmable	e rules at the wireless device; and
7	if the	environmental state satisfies at least one of the rules, generating, based on the
В	satisfied rule,	a communication for transmission to a wireless network.
1	27.	The article of claim 26, wherein the instructions are further operable to cause one
2	or more mach	nines to perform operations comprising identifying the environmental state
3	represented b	y the signal.
1	28.	The article of claim 27, wherein identifying the environmental state represented
2	by the signal	comprises:
3	determ	nining an environmental condition associated with the state; and
4	determ	nining a level of the environmental condition.
1	29.	The article of claim 26, wherein at least one of the rules comprises multiple
2	conditions that	at must be satisfied.
1	30.	The article of claim 26, wherein the communication is destined for a second
2	wireless devi	ce.

1	31. The article of claim 26, wherein at least one of the rules specifies a level that an
2	environmental state must exceed for the rule to be satisfied.
1	32. The article of claim 26, wherein the instructions are further operable to cause one
2	or more machines to perform operations comprising:
3	detecting a request to modify the rules;
4	determining whether parameters for a rule have been received; and
5	if the parameters have been received, modifying the rules.
1	33. The article of claim 26, wherein the instructions are further operable to cause one
2	or more machines to perform operations comprising:
3	detecting a request to open a voice channel in response to the communication; and
4	establishing the voice channel using the wireless device

1	34. A framework for wireless sensor alerts, the framework comprising:	
2	a rule set comprising programmable rules that specify conditions under which	
3	communications are to be sent based on an environmental state in the vicinity of a wireless	
4	device and the communications to be sent;	
5	a rule editor operable to modify the rules in the rule set based on received rule	
6	parameters;	
7	a rule engine operable to:	
8	receive a proposition for a rule, the proposition representing an environmental	
9	state in the vicinity of a wireless device,	
10	compare the proposition against the rules, and	
11	if the proposition satisfies a condition of at least one of the rules, determine, based	
12	on the satisfied rule, a communication for transmission to a wireless network.	
1	35. The framework of claim 34, wherein the environmental state comprises an	
2	environmental condition and a level of the environmental condition.	
1	36. The framework of claim 34, wherein at least one of the rules has multiple	
2	conditions that must be satisfied.	
1	37. The framework of claim 34, wherein the communication is destined for a second	
2	wireless device.	

- 1 38. The framework of claim 34, wherein at least one of the rules specifies a level that 2 an environmental state must exceed for the rule to be satisfied.
- 1 39. The framework of claim 34, wherein the rule editor is operable to:
- 2 detect a request to modify the programmable rules;
- determine whether parameters for a rule have been received; and
- 4 if the parameters have been received, modify the rules.

1	40. A system for wireless sensor alerts, the system comprising:
2	a wireless network operable to receive communications from and send communications
3	to wireless telephones;
4	a first wireless telephone operable to wirelessly send communications to and receive
5	communications from the wireless network, the wireless telephone comprising:
6	a sensor operable to detect an environmental state in the vicinity of the wireless
7	telephone and to generate a signal representative thereof,
8	a microprocessor coupled to the sensor, the microprocessor operable to:
9	detect the signal;
10	generate a rule proposition based on the signal, the proposition specifying
11	an environmental condition and level associated with the state;
12	compare the rule proposition to rules in a remotely programmable rule
13	database to determine whether the proposition satisfies a condition of a rule;
14	if the proposition satisfies a condition of a rule, determine, based on the
15	satisfied rule, a message for communication to a second wireless telephone;
16	determine whether a communication regarding opening a voice channel in
17	response to the message has been received from the second wireless telephone;
18	if the communication has been received, open a voice channel to the
19	second wireless telephone;
20	detect a request to modify the programmable rules;
21	determine whether parameters for a rule have been received; and
22	if the parameters have been received, modify the rules, and

a transceiver coupled to the processor, the transceiver operable to send the 23 message to the wireless network; and 24 25 the second wireless telephone, the second wireless telephone operable to wirelessly send communications to and receive communications from the wireless network, the wireless 26 telephone operable to: 27 receive the message from the first wireless telephone, 28 visually present the message, 29 determine whether a user desires to open a voice channel to the first wireless 30 telephone in response to the message, 31 32 if a user desires to open a voice channel in response to the message, send the communication regarding opening a voice channel to the wireless network for communication to 33 the first wireless telephone, 34 visually present a user interface for modifying the rules, 35 detect user commands indicating parameters for a rule, and 36 37 send a communication containing the parameters to the wireless network for conveyance to the first wireless telephone. 38